

Claims

[c1] What is claimed is:

1.A method for scaling a digital picture to generate a plurality of different size pictures comprising following steps:

(a)providing a scaling engine;

(b)loading a section of the digital picture to the scaling engine; and

(c)scaling the section loaded in step (b) to generate digital images of different sizes.

[c2] 2.The method of claim 1 further comprising:

(d)repeating steps (b) and (c) until all sections of the digital picture are scaled so as to generate digital pictures of different sizes.

[c3] 3.The method of claim 2 wherein step (c) comprises following steps:

(e)determining whether a digital picture to be generated will comprise a digital image generated from the section loaded in step (b);

(f)if so, scaling the section loaded in step (b) to generate the digital image in step (e); and

(g)if not, repeat step (e) for other digital pictures to be

generated.

- [c4] 4.The method of claim 1 wherein the section loaded in step (b) is loaded to an interpolation filter of the scaling engine.
- [c5] 5.The method of claim 4 wherein size of the section loaded in step (b) is determined according to size of the interpolation filter.